2009 TTB Expo Presentation

Specially Denatured Spirits

Presented by

Janet Counts, National Revenue Center

Tomika L. Moore, Nonbeverage Products Laboratory



Presentation Overview

- Part One:
 - National Revenue Center (NRC)
- Part Two:
 - Nonbeverage Products Laboratory (NPL)

Part One: National Revenue Center

Overview

- Specially Denatured Spirits Users and Dealers:
 - Qualifying Documents
 - Changes to your Industrial Alcohol
 User Permit
 - General Information
 - Terminating your Permit

Qualifying Documents

Qualifying

- Who is required to apply for a permit?
 - Anyone who wants to procure (buy), use, recover, or deal in (sell) specially denatured spirits must apply for and obtain an industrial use permit. 27 CFR 20.41
- Can anyone get Specially Denatured Spirits (SDS) without a permit?
 - Samples of SDS may be obtained without a permit during a single calendar year if the quantity is no more than 5 gallons. (There are restrictions on how the samples of SDS may be used.) 27 CFR 20.251

Specially Denatured Spirits

- If someone needs more than a 5-gallon sample of SDS so they can determine if they want a permit to use SDS, they must send the NRC a letterhead application describing why they need the additional amount. 27 CFR 20.252
- Dealers or distilled spirits plants (DSPs) that provide the samples must keep accurate records to be sure the samples they provide to a customer without a permit do not exceed the 5-gallon limit.

Distilled Spirits Used to Make Denatured Spirits

- Denatured spirits may only be made with alcohol (ethyl alcohol) or rum. Any source material may be used to produce the alcohol (e.g., grains, etc.), by any means (the method of distillation).
- The term "alcohol" does not include whiskey, brandy, rum, gin, or vodka.

Qualifying Documents for SDS Users

- For annual withdrawals of 5,000 gallons or less 27 CFR 20.42:
 - 1. TTB F 5150.22, Application for an Industrial Alcohol User Permit
 - 2. TTB F 5100.1, Signing Authority for Corporate Officials, or TTB F 5000.8, Power of Attorney
 - 3. TTB F 5000.29, Environmental Information
- Note: Dealers file only the first two items.

- Also, for annual withdrawals of 5,000 gallons or less:
 - 4. TTB F 5000.30, Supplemental Information on Water Quality Considerations
 - TTB F 5150.19, Formula and/or Process for Article Made with Specially Denatured Spirits. (This is not required if manufacturing a general use formula.)

- For annual withdrawals over 5,000 gallons:
 - 1. TTB F 5150.22, Application for an Industrial Alcohol User Permit
 - 2. TTB F 5000.29, Environmental Information
 - 3. TTB F 5000.30, Supplemental Information on Water Quality Considerations

- Also for annual withdrawals over 5,000 gallons:
 - 4. TTB F 5100.1, Signing Authority for Corporate Officials, or TTB F 5000.8, Power of Attorney
 - 5. TTB F 5000.9, Personnel Questionnaire
 - TTB F 5150.19, Formula and/or Process for Article Made with Specially Denatured Spirits. (This is not required if manufacturing a general use formula.)

- Also for annual withdrawals over 5,000 gallons:
 - 7. Organizational Documents to include:
 - Certificate and Articles of Incorporation, Bylaws (for corporations);
 - Certificate and Articles of Organization, Operating Agreement (for LLCs);
 - Certificate to Operate in a Foreign State (if organized in a different State);
 - Listing of names and addresses of officers, directors, and stockholders owning 10% or more.

- Also for annual withdrawals over 5,000 gallons:
 - 8. Statement designating person directly responsible for the specially denatured spirits.
- Note: SDS Dealers have the same requirements for annual withdrawals over 5,000 gallons except the following forms are not filed:
 - TTB F 5000.29, Environmental Information
 - TTB F 5000.30, Supplemental Information on Water
 - TTB F 5150.19, Formula

Changes to Your Industrial Alcohol User Permit: Steps to Amend Your Permit

Name Change

- If the change consists of a change in name only, you will need:
 - Either a letterhead notice (27CFR 56(4)) that explains the change or an application on TTB F 5150.22 completed to show "change in name."
 - Copies of organizational documents (amended articles of incorporation, amended operating agreement, or other State registration that evidences the name change).
 - Return your original permit for amendment.

Change in Proprietorship

- If you have undergone a change in proprietorship/ownership, you will need:
 - New application on TTB F 5150.22; must be received by the NRC on behalf of new entity within 30 days of the change. 27 CFR 20.57
 - Outstanding permit may remain in effect until final action is taken on the application; if the application is not timely submitted, the predecessor's permit automatically terminates at the expiration of 30-day period.
 - Incoming proprietor should file supporting documents (articles of incorporation, signing authority, and environmental forms, if applicable).

Change in Proprietorship (Continued)

- If you have undergone a change in proprietorship/ownership:
 - SDS users may adopt the formulas of their predecessor as provided in 27 CFR 20.63 or file new formulas on TTB F 5150.19.
 - The outgoing proprietor should return their original permit for cancellation.
 - An SDS user must also file a "final" report on TTB F 5150.18.

Location or Address Change

- If you have moved or have a new postal address, you will need:
 - Either a letterhead notice that explains the change or an application on TTB F 5150.22 completed to show "change in location." 27 CFR 20.62
 - Your permit must show the address where the alcohol is used, and your supplier may only deliver to that address as it appears on your permit.
- For a location change include:
 - TTB F 5000.29, Environmental Information
 - TTB F 5000.30, Supplemental Information on Water

Changes in Persons Authorized to Act

- Permittees are responsible for deciding who will be granted the authority to act on their behalf in matters relating to their permit.
 - These are the only individuals who may sign correspondence, applications, or other documents submitted to TTB.
 - They are also the only persons to whom TTB may speak.
- If you are not sure who those individuals are, it probably needs to be UPDATED.

Changes in Persons Authorized to Act (Continued)

- To grant such authority, you will need to file either a:
 - Power of Attorney on TTB F 5000.8;
 - Signing Authority for Corporate and LLC Officials on TTB F 5100.1; or
 - Resolution by the Board of Directors, partners, or managing members.

Increasing or Decreasing your Annual Withdrawal Amounts

You will need:

- Either a letterhead notice that explains the change, or an application on TTB F 5150.22 completed to show "increase or decrease in annual allowance."
- Return your original permit for amendment.
- If the new allowance exceeds 5,000 gallons, you must submit the organizational documents that are outlined in 27 CFR 20.45.

General Information

General Information

- The regulations for SDS can be found at 27 CFR part 20.
- Formulas must be submitted to our laboratory on TTB Form 5150.19, with the exception of general use formulas.

Reagent Alcohol

- You do not need a permit or TTB approval to purchase reagent alcohol provided the container size does not exceed 4 liters.
- If you wish to acquire the reagent alcohol in larger than 4-liter containers, you must submit a letterhead notice to TTB with the required information from 27 CFR 20.117 and 20.133.
- Note: Reagent alcohol may only be used for laboratory or scientific purposes.

Termination of Permits

Terminating Your Permit

- When a permittee wishes to discontinue business as an SDS user or dealer, they must submit written notice to the NRC with the following information:
 - A request to cancel the permit;

Terminating Your Permit (Continued)

- A statement of the disposition must be made of all SDS, as required in 27 CFR 20.234. SDS on hand at the time the business discontinues using SDS may be disposed of by:
 - Returning the SDS to a DSP or dealer, as provided in 27 CFR 20.231;
 - Destruction, as provided in 27 CFR 20.222; or
 - Shipped to another user, as provided in 27 CFR 20.235.

Terminating Your Permit (Continued)

You must also:

- Provide the date of discontinuance.
- Provide the written notice should be accompanied by a report on TTB F 5150.18 covering the discontinuance and marked "Final Report" (SDS users only).
- Return the current Industrial Alcohol User Permit for cancellation (Permittee).

Contact Information

MAIL: National Revenue Center

8002 Federal Office Bldg.

550 Main Street

Cincinnati, OH 45202

PHONE: 1-877-882-3277 (toll free) or

1-513-684-7150

ONLINE: <u>www.ttb.gov</u> 27 CFR part 20

Part Two: Nonbeverage Products Laboratory

Overview

- The Role of TTB Laboratories
- SDS Requirements
- Formulas on TTB Form 5150.19
- General-Use Formulas
- SDS Used for Lab or Mechanical Purposes
- The Future of SDS

The Role of TTB Laboratories

Laboratory Background

- TTB is within the Department of the Treasury
- TTB's mission is to collect the revenue and protect the public
- The Laboratory function falls under Scientific Services Division (SSD) within Headquarters Operations
- There are 4 laboratories within SSD:
 - Compliance Laboratory
 - Tobacco Laboratory
 - Beverage Alcohol Laboratory
 - Nonbeverage Products Laboratory

Compliance Laboratory (CL)

- Located in Walnut Creek, CA
- ISO 17025 accreditation
- Analyzes domestic beverage alcohol products, SDS, CDA, and articles to ensure their compliance with TTB regulations
- Alcohol Sampling Program
- Sulfur dioxide waiver requests for wines
- Special projects

Tobacco Laboratory (TL)

- Tax classification
- Diversion
- Research projects

Beverage Alcohol Laboratory (BAL)

- Alcohol Proofing
- Class and Type categories of alcoholic beverages
- Analysis for adulterants, contaminants, limited, and prohibited ingredients in alcoholic beverages
- Alcohol Sampling Program

Nonbeverage Products Laboratory (NPL)

 The NPL is co-located at the National Laboratory Center in Beltsville, MD with the TL, BAL, ATF Laboratory, and the Fire Research Center

NPL Functions

- Nonbeverage (Drawback) Products
 - Food products
 - Flavors/flavoring extracts
 - Medicines/medicinal preparations
 - Perfumes

NPL Functions (Continued)

- SDS Products
 - Toilet preparations
 - Medicines
 - Household cleaning products
 - Solvents

NPL Functions (Continued)

- Processes all incoming SDS formulas for TTB; approximately 2,045 formulas were processed in 2008
- Reviews new processes and requests for new denaturants
- Analyzes compliance samples
- Provides technical support to customers and other divisions within TTB

NPL Functions (Continued)

- Additional Laboratory Functions:
 - Internal ISO Audit Committee
 - Safety Committee
 - Professional organizations and board positions
 - Tax classification
 - Compliance analyses
 - Method development
 - Special projects

SDS Requirements

Getting Started

- If you want to use Specially Denatured Spirits (SDS), you must:
 - Apply for and obtain an industrial alcohol user permit
 - Decide which of the formulas in Part 21 you wish to use
 - File a formula on TTB F 5150.19, unless it is a general-use formula
 - Wait for formula approval

Obtain a Permit

- If you want to use Specially Denatured Spirits (SDS), you must:
 - Apply for and obtain an industrial alcohol user permit
 - Decide which of the formulas in Part 21 you wish to use
 - File a formula on TTB F 5150.19, unless it is a general-use formula
 - Wait for formula approval

Industrial Alcohol User Permits

- There are 3 types of proprietors:
 - A <u>Dealer</u>: authorized to purchase SDS and Specially Denatured Rum (SDR) for resale to authorized users
 - A <u>Distilled Spirits Plant (DSP)</u>: authorized to manufacture, purchase, and use SDS and SDR. May also manufacture Completely Denatured Alcohol (CDA)
 - An <u>SDS user</u>: authorized to purchase and use SDS and SDR

Choose an SDS Formula

- If you want to use Specially Denatured Spirits (SDS), you must:
 - Apply for and obtain an industrial alcohol user permit
 - Decide which of the formulas in Part 21 you wish to use
 - File a formula on TTB F 5150.19, unless it is a general-use formula
 - Wait for formula approval

CDA Formulas in Part 21

- There are 3 approved CDA formulas in the regulations:
 - CDA 18, 19, and 20
 - CDA 20 is restricted to fuel use
 - Formula approval is not required for CDA
 - Only DSPs can make CDA
- CDA 18 and 19 must be produced from alcohol with a proof of 160 or higher
- CDA 20 must be produced from alcohol with a proof of 185 or higher

SDS Formulas in Part 21

- There are 49 approved SDS formulas and 1 approved SDR formula in the regulations:
 - SDS must be made from alcohol with a proof of 185 or higher
 - SDR must be made from rum with a proof of 150 or higher
 - SDA-4 is the only formula made with rum

What SDS Formula Should I Use?

- One that is suitable for the intended use
- One that does not have restrictions that would prevent the use in a particular process
- One that is approved in the TTB's regulations

What If I Want a New SDS Formula?

- Petition the Chief of the NPL for the new denaturant
- Request must be submitted by the manufacturer of the finished article
- Proposed denaturant must not be easily separated from ethanol
- Proposed denaturant must be universally acceptable

Submit Formula for Approval

- If you want to use Specially Denatured Spirits (SDS), you must:
 - Apply for and obtain an industrial alcohol user permit
 - Decide which of the formulas in Part 21 you wish to use
 - File a formula on TTB F 5150.19, unless it is a general-use formula
 - Wait for formula approval

Formulas on TTB F 5150.19

Formulas on TTB F 5150.19

- SDA formulas on TTB F 5150.19 require:
 - Submissions in duplicate (including attachments other than MSDSs) with at least one original signature
 - Separate formulas for each product and for each manufacturing location
 - Complete and accurate formula

DEPARTMENT OF THE TREASURY ALCOHOL AND TOBACCO TAX AND TRADE BUREAU (TTB)

NAME OF ARTICLE OR USE OF ALCOHOL OR RUM IF AN ARTICLE IS NOT TO BE MANUFACTURED

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- Specific or generic name of the product (article)
- Manufacturing process in which the SDS or SDR will be used

2. CODE NUMBER

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- Three digit number found in 27 CFR Part 21 that corresponds to the name of the article or process in which the SDS or SDR will be used
- Each SDS and SDR formula has a list of code numbers

3. FORMULA IS

	NEW [REVISED	RESUBMITTED
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		PURPOSE FOR WHICH THIS PRODUCT IS TO BE USED
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- New: First time submitting the formula for this particular article or process
- Revised: Formula composition has been modified or TTB requested changes have been made
- Resubmitted: Seldom used and may be omitted on future editions of the form

4. IF PREVIOUSLY APPROVED

MANUFACTURER:

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TB F 5150.19 (06/2007)				

- Name of the manufacturer who received TTB approval for the same article
- Date of the approval

5.	NAME AND ADDRESS	(Include Number,	Street,	City, State	and ZIP Code)	(State
93860-3	former name, if success	sor)				

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15. SIGNATURE OF APPLICANT OR AL AGENT LABORATORY NUMBER SAMPLE LABORATORY NUMBER OIL ANALYST DATE	THORIZED 16. DATE	17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSION (Include Area Code and Telephone Number)
AGENT LABORATORY NUMBER SAMPLE LABORATORY NUMBER OIL ANALYST	THORIZED 16. DATE	17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSION (Include Area Code and Telephone Number)

- Manufacturing address
- Address should match the one on the permit

FORMULA 6.	SERIAL	NUMBER
NAME OF ART MANUFACTUR		
3. FORMULA IS		
NEW		
5. NAME AND AD former name, i		
		USED
CONTAINERS?	D IN PRESSURIZED 10. SIZES OF COM	MERCIAL PACKAGES
I YES NO 11. SPECIALLY DENATURED ALCOHOL denaturants in formulas SDA-29, SDA		12. PROOF
ingredient should be stated in	r multiple thereof and the quantity of ea avoirdupois and/or fluid ounces. Batch as may be shown as an extension of the	
5. SIGNATURE OF APPLICANT OR AL		RSON TO BE CONTACTED CONCERNING THIS SUBMISSION
AGENT	(Inc	clude Area Code and Telephone Number)
ABORATORY NUMBER SAMPLE	FOR TTB USE ONL'	Y
ADDITATION NUMBER OMNIFLE	NO HON	
ABORATORY NUMBER OIL		
ANALYST		
DATE		
TTB F 5150.19 (06/2007)		

Item #6

No longer used

INDUSTRIAL USE FORMULA PERMIT NO. NEW former name, if YES NO denaturants in formulas SDA-29, SDA-38B, SDA-38F) NOTE: Formula must total 1 gallon or multiple thereof and the quantity of each 13. IS SPECIALLY DENATURED ALCOHOL OR RUM TO BE ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the YES NO gallon formula. 14. STATE FORMULA/PROCESS (Describe process when required by regulations) (Include Area Code and Telephone Number) FOR TTB USE ONLY TTB F 5150.19 (06/2007)

<u>Item #7</u>

- Permit number issued by the NRC
 - For example, SDS-MD-0000
- Enter pending or applied for if the number has not been received

PURPOSE FOR WHICH THIS PRODUCT IS TO BE USED

		8	PURPOSE FOR WHICH THIS PRODUCT IS TO BE USED
9. IS THE PRODUCT TO BE PACKAGED CONTAINERS?	IN PRESSURIZED 10. SIZES	S OF COMMER	CIAL PACKAGES
YES NO			
11. SPECIALLY DENATURED ALCOHOL O	D DUM FORMULA LICED (C	Sanair Ir	2. PROOF
denaturants in formulas SDA-29, SDA-3		specify 1.	2. PROOF
			3. IS SPECIALLY DENATURED ALCOHOL OR RUM TO B
ingredient should be stated in a size, percent, or metric formulas			RECOVERED FROM THE MANUFACTURING PROCES YES NO
gallon formula.			
 STATE FORMULA/PROCESS (Describ 	e process when required by h	regulations)	
	(All - b - 189) 1		
	(Attach additional		
15. SIGNATURE OF APPLICANT OR AUTI AGENT		17. PERSO	N TO BE CONTACTED CONCERNING THIS SUBMISSIO
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AGENT ABORATORY NUMBER SAMPLE ABORATORY NUMBER OIL	HORIZED 16. DATE	17. PERSO (Include	N TO BE CONTACTED CONCERNING THIS SUBMISSIO

- Should match the name or process in Item #1; or
- The intended final use

OMB No. 1513-0011 (11/30/2009)	
IS THE PRODUCT TO BE PACKAGE CONTAINERS? YES NO	GED IN PRESSURIZED
9. IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED 10. SIZES OF COMMERCIAL PACKAGES CONTAINERS? YES NO 11. SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) NOTE: Formula must total 1 gallon or multiple thereof and the quantity of each size, percent, or metric formulas may be shown as an extension of the gallon formula. 14. STATE FORMULA/PROCESS (Describe process when required by regulations)	 Item #9 Yes, if the product will be packaged in pressurized containers Name and amount of propellant needs
(Attach additional sheets if necessary) 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSION (Include Area Code and Telephone Number) FOR TTB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST DATE TTB F 5150.19 (06/2007)	to be included

- Yes, if the product will be packaged in pressurized containers
- Name and amount of propellant needs to be included

10. SIZES OF COMMERCIAL PACKAGES

IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED 10. SIZES OF COMMERCIAL PACKAGENTAINERS? YES NO SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) TE: Formula must total 1 gallon or multiple thereof and the quantity of each 13. IS SPECI	
IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED 10. SIZES OF COMMERCIAL PACKAGENTAINERS? YES NO SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) TE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula.	IALLY DENATURED ALCOHOL OR RUM TO BE RED FROM THE MANUFACTURING PROCESS
CONTAINERS? YES NO SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) DTE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula.	IALLY DENATURED ALCOHOL OR RUM TO BE RED FROM THE MANUFACTURING PROCESS
CONTAINERS? YES NO SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) DTE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula.	IALLY DENATURED ALCOHOL OR RUM TO BE RED FROM THE MANUFACTURING PROCESS
CONTAINERS? YES NO SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F) DTE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula.	IALLY DENATURED ALCOHOL OR RUM TO BE RED FROM THE MANUFACTURING PROCESS
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gallon formula.	NO NO
galloti formula.	
. STATE FORMULAPROCESS (Describe process when required by regulations)	
(Attach additional sheets if necessary)	
	ONTACTED CONCERNING THIS SUBMISSION
AGENT (Include Area Code	and Telephone Number)
FOR TTB USE ONLY	
ABORATORY NUMBER SAMPLE ACTION	
BORATORY NUMBER OIL	
ABORATORY NUMBER OIL	
BORATORY NUMBER OIL	
ABORATORY NUMBER OIL NALYST	
NALYST	
NALYST	
NALYST	

<u>Item #10</u>

- Size of the container that the article will be packaged
- If the article or process is for internal use, enter N/A

SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F)

CONTAINERS? NO	former name, if successor)				PERMIT NO.
CONTAINERS? YES NO 11. SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38F, SDA-38F) NOTE: Formula must total 1 gallon or multiple there and the quantity of each ingredient should be stated in avoid fuduous andor fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid formula. 13. IS SPECIALLY DENATURED ALCOHOL OR RUM TO E RECOVERED FROM THE MANUFACTURING PROCES (Becovered from the Manufacturing Process when required by regulations). 14. STATE FORMULA/PROCESS (Describe process when required by regulations). 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number). FOR TIB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST DATE				8.	
CONTAINERS? YES NO 11. SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38F, SDA-38F) NOTE: Formula must total 1 gallon or multiple there and the quantity of each ingredient should be stated in avoid fuduous andor fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid fuduous and for fluid ounces. Batch ingredient should be stated in avoid formula. 13. IS SPECIALLY DENATURED ALCOHOL OR RUM TO E RECOVERED FROM THE MANUFACTURING PROCES (Becovered from the Manufacturing Process when required by regulations). 14. STATE FORMULA/PROCESS (Describe process when required by regulations). 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number). FOR TIB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST DATE					
11. SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-28, SDA-38B,	CONTAINERS?	IN PRESSURIZED 10. S	IZES OF COMME	RC	CIAL PACKAGES
NOTE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula. 14. STATE FORMULA/PROCESS (Describe process when required by regulations) (Altach additional sheets if necessary) 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number) FOR TTB USE ONLY ACTION ANALYST DATE					
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(Attach additional sheets if necessary) 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number) FOR TTB USE ONLY AGENT ACTION ACTION ANALYST DATE	size, percent, or metric formulas				
(Attach additional sheets if necessary) 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number) FOR TTB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST ACTION ACTION ANALYST ACTION ACTION ACTION ACTION ANALYST ACTION ACTION AMALYST ACTION ACTION ACTION ACTION ACTION ANALYST ACTION ACTIO	14 STATE FORMULA/PROCESS (Describ	e process when required	by regulations)		
15. SIGNATURE OF APPLICANT OR AUTHORIZED AGENT 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSIO (Include Area Code and Telephone Number) FOR TTB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST DATE					
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LABORATORY NUMBER SAMPLE ACTION ANALYST DATE		HORIZED 16. DATE			
ANALYST DATE		EOR.			
DATE	LABORATORY NUMBER SAMPLE		TTB USE ONLY		
DATE			TTB USE ONLY		
	LABORATORY NUMBER OIL		TTB USE ONLY		
TTB F 5150.19 (06/2007)			TTB USE ONLY		
	LABORATORY NUMBER OIL ANALYST DATE		TTB USE ONLY		

- State the SDA or SDR formula used
- If SDA 29, 38-B, or 38-F, the denaturant(s) used must be stated

12. PROOF	
	8. PURPOSE FOR WHICH THIS PRODUCT IS TO BE
	USED
9. IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED 10. SIZES OF COMMICONTAINERS? YES NO	 ERCIAL PACKAGES
11. SPECIALLY DENATURED ALCOHOL OR RUM FORMULA USED (Specify denaturants in formulas SDA-29, SDA-38B, SDA-38F)	12. PROOF
NOTE: Formula must total 1 gallon or multiple thereof and the quantity of each ingredient should be stated in avoirdupois and/or fluid ounces. Batch size, percent, or metric formulas may be shown as an extension of the gallon formula.	IS SPECIALLY DENATURED ALCOHOL OR RUM TO BE RECOVERED FROM THE MANUFACTURING PROCESS YES NO
	cessary) SON TO BE CONTACTED CONCERNING THIS SUBMISSION de Area Code and Telephone Number)
	de rate dede and temprone numbery
LABORATORY NUMBER SAMPLE ACTION FOR TTB USE ONLY	
LABORATORY NUMBER OIL	
ANALYST	
DATE	

<u>Item #12</u>

- State the proof of the purchased SDS or SDR
- SDS cannot be less than 185 proof
- SDR cannot be less than 150 proof

3. IS SPECIALLY DENATURED ALCOHOR RECOVERED FROM THE MANUFAC	
YES NO	
8. PURPOSE FOR WHICH THIS PRODUCT IS TO BE USED 9. IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED 10. SIZES OF COMMERCIAL PACKAGES CONTAINERS? YES	 Item #13 Yes, if SDS or SDF to be collected for re-use or disposate Permit must show recovery operation
(Attach additional sheets if necessary) 15. SIGNATURE OF APPLICANT OR AUTHORIZED 16. DATE 17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSION (Include Area Code and Telephone Number) FOR TTB USE ONLY LABORATORY NUMBER SAMPLE ACTION ANALYST DATE TTB F 5150.19 (06/2007)	

- Yes, if SDS or SDR is to be collected for re-use or disposal
- Permit must show recovery operations

		OMB No. 1513-0011 (11/30/2009)	
FORMULA AND/OR PROCESS FOR A	RTMENT OF THE TREASURY OBACCO TAX AND TRADE BUREAU (TTB) RTICLE MADE WITH SPECIALLY DE duplicate - See instructions below)	ENATURED SPIRITS	
. NAME OF ARTICLE OR USE OF ALCOHOL OR RUM IF MANUFACTURED	AN ARTICLE IS NOT TO BE 2. CODE NUM	BER	
B. FORMULA IS	4. IF PREVIOUSLY APPROVED		
NEW REVISED RESUBMITTED	MANUFACTURER:	DATE:	
NAME AND ADDRESS (Include Number, Street, City, State former name, if successor)	te and ZIP Code) (State 6. SERIAL NUMBER	7. INDUSTRIAL USE PERMIT NO.	
	8. PURPOSE FOR WHICH USED	THIS PRODUCT IS TO BE	<u>ltem #14</u>
). IS THE PRODUCT TO BE PACKAGED IN PRESSURIZED CONTAINERS? YES NO			 Must show identities and quantities of all ingredients
SPECIALLY DENATURED ALCOHOL OR RUM FORMULA denaturants in formulas SDA-29, SDA-38B, SDA-38F) Formula must total 1 gallon or multiple thereof a ingredient should be stated in avoirdupois and/or size, percent, or metric formulas may be shown a	nd the quantity of each 13. IS SPECIALLY DENATUI	RED ALCOHOL OR RUM TO BE E MANUFACTURING PROCESS?	 Quantities must be labeled with the correct units
gallon formula. 4. STATE FORMULA/PROCESS (Describe process when re	YES NO		 Total yield for the quantities need to be provided
			 Manufacturing process
			 Quantity, composition, and disposition of any SDA waste stream
STATE FORMULA/PROC	CESS (Describe proc	ess when requir	ed by regulations)

TTB F 5150.19 (06/2007)

			RTMENT OF THETRE		TR)	
	FORMULA AND/O	OR PROCESS FOR A				NATURED SPIRITS
			duplicate - See instruction			
1.	NAME OF ARTICLE OR I	USE OF ALCOHOL OR RUM IF	F AN ARTICLE IS NOT TO	BE 2.	CODE NUMBE	R
3.	FORMULA IS		4. IF PREVIOUSLY AF	PROVED		
	NEW REVISE	ED RESUBMITTED	MANUFACTURER:			DATE:
5.	NAME AND ADDRESS (if former name, if successor	(Include Number, Street, City, St. or)	ate and ZIP Code) (State	6. SERIAL NU	MBER	7. INDUSTRIAL USE PERMIT NO.
					FOR WHICH TI	HIS PRODUCT IS TO BE
				USED		
9.	IS THE PRODUCT TO BE CONTAINERS?	E PACKAGED IN PRESSURIZE	D 10. SIZES OF COMME	RCIAL PACKAC	ES	
	YES NO					
11.		ALCOHOL OR RUM FORMUL SDA-29, SDA-38B, SDA-38F)	LA USED (Specify	12. PROOF		
NO		1 gallon or multiple thereof be stated in avoirdupois and/				D ALCOHOL OR RUM TO BE MANUFACTURING PROCESS?
	size, percent, or me	etric formulas may be shown		T YES		MANUFACTURING PROCESS!
_	gallon formula.			TES	NO	
					-	
	SIGNATI	URE OF A	PPLICAN	IT OF	R AU	THORIZED
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	AGENT SIGNATURE OF APPLIC	16. DA		IT OF	CTED CON	CERNING THIS SUBMISSION
	AGENT	16. DA		IT OF	1	CERNING THIS SUBMISSION
	AGENT SIGNATURE OF APPLIC	16. DA		IT OF	CTED CON	CERNING THIS SUBMISSION
15.	AGENT SIGNATURE OF APPLIC	16. DA	TE	IT OF	CTED CON	CERNING THIS SUBMISSION
15.	SIGNATURE OF APPLICAGENT	16. DA	FOR TTB USE ONLY		CTED CONV Telephone Ni	CERNING THIS SUBMISSION umber)

Item #15 - 17

- Signature of the person that has signing authority
- The date the formula was signed
- The person that can answer questions about the submission

17. PERSON TO BE CONTACTED CONCERNING THIS SUBMISSION (Include Area Code and Telephone Number)

TTB F 5150.19 (06/2007)

Wait for Formula Approval

- If you want to use Specially Denatured Spirits (SDS), you must:
 - Apply for and obtain an industrial alcohol user permit
 - Decide which of the formulas in Part 21 you wish to use
 - File a formula on TTB F 5150.19, unless it is a general-use formula
 - Wait for formula approval

What Is Required for Approval?

- Additional chemicals and/or essentials oils
- Average person would not mistake the product for a beverage
- Materials cannot be easily separated from the ethanol
- Ideally should contain a warning odor, color, and/or taste

5150.19 Formula Approval

- An approved formula allows you to manufacture an article for sale or conduct a process
- Both permit and formula approval are needed before articles can be manufactured for sale or processes conducted
- An article can be sold to anyone

Do I Need a Revised Formula When...?

- Changing the name of an article
- Changing the product number of an article
- Changing a color or dye
- Switching denaturants
- Adding or removing ingredients
- Changing the quantity of one or more ingredients
- Changing the size of the commercial package

General-Use Formulas

General-Use Formulas

- Special Industrial Solvents
- Proprietary Solvents
- Tobacco Flavors
- Ink
- Low Alcohol
- Reagent Alcohol
- Rubbing Alcohol
- Toilet Preparations containing not less than 10% Essential Oils

Special Industrial Solvents

- Do not require a permit to purchase
- Not intended for sale through retail channels
- Contain 100 gallons SDA Formula 1, 3A, or 3C and:
 - No less than 1 gallon of MIBK, methyl n-butyl ketone, nitropropane, or ethylene glycol monoethyl ether
 - No less than 5 gallons ethyl acetate, isopropyl alcohol, or methanol
- May contain other ingredients

Proprietary Solvents

- Do not require a permit to purchase
- Contain 100 gallons SDA Formula 1or 3A and:
 - No less than 1 gallon of gasoline (regular or unleaded),
 heptane, or rubber hydrocarbon solvent
 - No less than 3 gallons ethyl acetate, MIBK, methyl n-butyl ketone, tert-butyl alcohol, sec-butyl alcohol, nitropropane, ethylene glycol monoethyl ether, or toluene
- May contain other ingredients

Low Alcohol

- Finished article that does not contain more than 5% alcohol by volume
- Only includes simple formulations
- Does <u>not</u> include processes in which SDS has been partially or completely removed during manufacture
- Does <u>not</u> include processes in which SDS will be recovered or redenatured

Reagent Alcohol

- Sale restricted to laboratories or those who need it for scientific use
- May be distributed in bulk to bona fide laboratory supply houses for packaging and resale to qualified users
- Contains 95 gallons SDA Formula 3A and 5 gallons of isopropyl alcohol
- Water may be added at the time of manufacture
- May <u>not</u> contain any other ingredient

Toilet Preparations

- Must contain a minimum of 10% essential oils by volume
- Essential oil is defined as a volatile odoriferous natural oil found in plants or an imitation of a natural oil
- Includes articles made with SDA 39-C

SDA Used for Lab or Mechanical Purposes

SDS Used for Lab or Mechanical Purposes

- No formula on TTB F 5150.19 is required for SDA 3-A, 3-C, or 30
- Formula is required on TTB F 5150.19 for all other SDA formulas
- Formula must contain the following:
 - SDS Formula Number
 - Description of the process
 - Approximate annual quantity of SDS
 - Composition and disposition of waste

The Future of SDS

Business Process Re-engineering

- Contractor hired to do a thorough review of the laboratory's current SDS approval process
- Contractor evaluated other Federal agencies with similar missions
- Contractor proposed recommendations that will be implemented

Future Regulations

- Unused SDA formulas will be eliminated from the regulations
- Many of the SDA formulas will be reclassified as general-use formulas
- NPL will review only those formulas that may pose jeopardy to the revenue
- NPL will conduct more post-approval analyses

Unused SDA Formulas

 The following SDA formulas have not been used since the collection of electronic data began:

2-C, 3-B, 6-B, 17, 20, 22, 23-F, 27, 27-A, 27-B, 33, 38-C, 39, 39-A, 42, 44, and 46

Reclassification as General-Use

 The following SDA formulas will be reclassified as general-use formulas:

1, 3-A, 12-A, 13-A, 19, 23-A, 23-H, 30, 32, 35, 35-A, 36, 37, 38-D, 40, 40-A, and 40-B

Benefits of Change

- What Does this Mean for the Industry?
 - Less cumbersome regulations
 - No formula approval required for a larger number of formulas
 - Faster turnaround times for those formulas that need to be submitted

Next Steps

- Revise 27 CFR Parts 20 and 21
- Internal TTB review
- Obtain concurrence at U.S. Treasury Department
- Publish proposed regulations in Federal Register
- Comment period
- Finalize regulation change

Current vs. Future

Current Regulations

- 3 CDA formulas
- 8 general-use formulas
- 49 SDS formulas
- 1 SDR formula
- Permit required
- Formula approval required on TTB F 5150.19, unless general-use formula

Future Regulations

- 3 CDA formulas
- 25 general-use formulas
- 16 SDS formulas
- 1 SDR formula
- Permit required
- Formula approval required on TTB F 5150.19, unless general-use formula

Who Do I Contact?

NRC

- Permit application questions
- Annual reports

RRD

- Variances from the regulations
- Exporting SDS to other countries

NPL

- Formula approval or status of submission
- Technical formula questions
- Request for a new denaturant

Contact Information

Tomika Moore
 Senior Chemist, Nonbeverage Products Laboratory
 240-264-1588
 <u>Tomika.Moore@ttb.gov</u>

Janet Scalese
 Chief, Nonbeverage Products Laboratory
 240-264-1589
 Janet.Scalese@ttb.gov